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☐ 1. Document ID: US 20030215923 A1

L1: Entry 1 of 15

File: PGPB

Nov 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030215923

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030215923 A1

TITLE: Sterilization indicator test packs

PUBLICATION-DATE: November 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Witcher, Kelvin J.	Hudson	WI	US	
Foltz, William E.	Cottage Grove	MN	US	
Chandrapati, Sailaja	Woodbury	MN	US	
Rosenlund, Thomas T.	Stillwater	MN	US	
Asmus, Robert A.	Hudson	WI	US	
Lulich, Ronald G.	Brookings	SD	US	

US-CL-CURRENT: [435/71.1](#); [435/170](#)

ABSTRACT:

Sterilization indicator test packs for testing the effectiveness of a sterilization procedure are provided. Both non-challenge and challenge-type test packs are disclosed. The non-challenge test packs include generally comprise a tray for holding a sterilization indicator the tray containing an elevated rim surface defining the perimeter of the tray and a recessed trough for receiving a sterilization indicator. The rim surface includes a plurality of spaced-apart grooves along its length extending through the rim to the recessed trough; a sterilization indicator within the recessed trough of the tray; and a lid that forms a plurality of channels with the grooves in the tray such that sterilant can enter the tray through the channels and contact the sterilization indicator.

The challenge-type test packs generally include a tray for holding a sterilization indicator, the tray comprising a substantially planar surface, a recessed trough for receiving a sterilization indicator, and a recessed groove of a defined length and cross-sectional area extending through the recessed trough and penetrating the edge of the tray; a sterilization indicator within the recessed trough of the tray; and a lid forming a substantially sterilant-impermeable seal with the planar surface of the tray and forming a lumen path with the recessed groove in the tray.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 2. Document ID: US 20030211066 A1

L1: Entry 2 of 15

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030211066
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030211066 A1

TITLE: Stable hydroalcoholic compositions

PUBLICATION-DATE: November 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Scholz, Matthew T.	Woodbury	MN	US	
Asmus, Robert A.	Hudson	WI	US	
Charpentier, Jill R.	Minnetonka	MN	US	

US-CL-CURRENT: 424/70.13; 424/70.28, 514/724

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 3. Document ID: US 20030162243 A1

L1: Entry 3 of 15

File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030162243
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030162243 A1

TITLE: Sterilization indicator with chemically stabilized enzyme

PUBLICATION-DATE: August 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Foltz, William E.	Cottage Grove	MN	US	
Asmus, Robert A.	Hudson	WI	US	

Lulich, Ronald G.

Woodbury

MN

US

US-CL-CURRENT: 435/31

ABSTRACT:

A sterilization indicator for testing the effectiveness of a sterilization procedure comprises a source of an enzyme, a sterilant-resistant chemical associated with the enzyme, and a substrate that reacts with the enzyme to form a detectable enzyme-modified product that provides an indication of the failure of the sterilization procedure. The sterilant-resistant chemical may be a polyglycerol alkyl ester, polyglycerol alkyl ether, an ethoxylated polyhydric alcohol ester, or a polyhydric alcohol ether. The indicator may be used to test the effectiveness of a hydrogen peroxide plasma sterilization procedure and may be provided with a non-challenge test pack or a lumen-challenge test pack.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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☐ 4. Document ID: US 20020160029 A1

L1: Entry 4 of 15

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020160029

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020160029 A1

TITLE: Stable hydroalcoholic compositions

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Asmus, Robert A.	Hudson	WI	US	
Scholz, Matthew T.	Woodbury	MN	US	
Charpentier, Jill R.	Minnetonka	MN	US	

US-CL-CURRENT: 424/401

ABSTRACT:

A hydroalcoholic lotion is disclosed which comprises (a) a lower alcohol and water in a weight ratio of about 35:65 to 100:0, and (b) between at least 0.5% and 8% by weight thickener system comprised of at least one emulsifier present in at least 0.05% by weight wherein the composition in a polymer free state has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein the emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The hydroalcoholic composition is useful as a hand preparation such as a lotion or as a presurgical scrub replacement.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn D
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☐ 5. Document ID: US 20020142018 A1

L1: Entry 5 of 15

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020142018 A1

TITLE: Stable hydroalcoholic compositions

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Scholz, Matthew T.	Woodbury	MN	US	
Asmus, Robert A.	Hudson	WI	US	
Charpentier, Jill R.	Minnetonka	MN	US	

US-CL-CURRENT: 424/401

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23.degree. C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 20020127253 A1

L1: Entry 6 of 15

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020127253

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020127253 A1

TITLE: Stable hydroalcoholic compositions

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Scholz, Matthew T.	Woodbury	MN	US	
Asmus, Robert A.	Hudson	WI	US	
Charpentier, Jill R.	Minnetonka	MN	US	

US-CL-CURRENT: 424/401; 514/25

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 7. Document ID: US 6623744 B2

L1: Entry 7 of 15

File: USPT

Sep 23, 2003

US-PAT-NO: 6623744

DOCUMENT-IDENTIFIER: US 6623744 B2

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: September 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asmus, Robert A.	Hudson	WI		
Scholz, Matthew T.	Woodbury	MN		
Charpentier, Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/401; 424/405, 424/78.02, 424/78.03, 424/78.07, 424/78.18, 514/772.3

ABSTRACT:

A hydroalcoholic lotion is disclosed which comprises (a) a lower alcohol and water in a weight ratio of about 35:65 to 100:0, and (b) between at least 0.5% and 8% by weight thickener system comprised of at least one emulsifier present in at least 0.05% by weight wherein the composition in a polymer free state has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein the emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The hydroalcoholic composition is useful as a hand preparation such as a lotion or as a presurgical scrub replacement.

34 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 8. Document ID: US 6610315 B2

L1: Entry 8 of 15

File: USPT

Aug 26, 2003

US-PAT-NO: 6610315

DOCUMENT-IDENTIFIER: US 6610315 B2

TITLE: Topical application of stable hydroalcoholic compositions for maintaining or improving skin conditions, and delivering fragrance to skin

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholz; Matthew T.	Woodbury	MN		
Asmus; Robert A.	Hudson	WI		
Charpentier; Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/405; 252/367.1, 424/401, 424/78.03, 510/130, 510/131, 510/132, 510/157, 510/158, 510/159, 510/382, 510/383, 510/384, 510/404, 510/405, 514/635, 514/846, 514/873, 514/944, 514/945, 514/946, 514/975

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23.degree. C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

37 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Attachments	Claims	Knowl	Draw. D
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☐ 9. Document ID: US 6562360 B2

L1: Entry 9 of 15

File: USPT

May 13, 2003

US-PAT-NO: 6562360

DOCUMENT-IDENTIFIER: US 6562360 B2

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholz; Matthew T.	Woodbury	MN		
Asmus; Robert A.	Hudson	WI		

Charpentier; Jill R. Minnetonka MN

US-CL-CURRENT: 424/405; 252/367.1, 424/401, 510/132, 514/945

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

20 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Attachments	Claims	KMC	Draw D
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☐ 10. Document ID: US 6534069 B1

L1: Entry 10 of 15

File: USPT

Mar 18, 2003

US-PAT-NO: 6534069

DOCUMENT-IDENTIFIER: US 6534069 B1

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asmus; Robert A.	Hudson	WI		
Scholz; Matthew T.	Woodbury	MN		
Charpentier; Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/401; 424/405, 424/78.02, 424/78.03, 424/78.07, 424/78.18,
514/772.3

ABSTRACT:

A hydroalcoholic lotion is disclosed which comprises (a) a lower alcohol and water in a weight ratio of about 35:65 to 100:0, and (b) between at least 0.5% and 8% by weight thickener system comprised of at least one emulsifier present in at least 0.05% by weight wherein the composition in a polymer free state has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein the emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The hydroalcoholic composition is useful as a hand preparation such as a lotion or as a presurgical scrub replacement.

19 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw D.
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☐ 11. Document ID: US 6355448 B1

L1: Entry 11 of 15

File: USPT

Mar 12, 2002

US-PAT-NO: 6355448

DOCUMENT-IDENTIFIER: US 6355448 B1

**** See image for Certificate of Correction ****TITLE: Sterilization indicator with chemically stabilized enzyme

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Foltz; William E.	Cottage Grove	MN		
Asmus; Robert A.	Hudson	WI		
Lulich; Ronald G.	Woodbury	MN		

US-CL-CURRENT: 435/31; 435/177, 435/178, 435/180

ABSTRACT:

A sterilization indicator for testing the effectiveness of a sterilization procedure comprises a source of an enzyme, a sterilant-resistant chemical associated with the enzyme, and a substrate that reacts with the enzyme to form a detectable enzyme-modified product that provides an indication of the failure of the sterilization procedure. The sterilant-resistant chemical may be a polyglycerol alkyl ester, polyglycerol alkyl ether, an ethoxylated polyhydric alcohol ester, or a polyhydric alcohol ether. The indicator may be used to test the effectiveness of a hydrogen peroxide plasma sterilization procedure and may be provided with a non-challenge test pack or a lumen-challenge test pack.

17 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw D.
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☐ 12. Document ID: US 6352701 B1

L1: Entry 12 of 15

File: USPT

Mar 5, 2002

US-PAT-NO: 6352701

DOCUMENT-IDENTIFIER: US 6352701 B1

**** See image for Certificate of Correction ****

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: March 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholz; Matthew T.	Woodbury	MN		
Asmus; Robert A.	Hudson	WI		
Charpentier; Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/405; 252/367.1, 424/401, 510/132, 514/945

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

23 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Draw D
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☐ 13. Document ID: US 6090395 A

L1: Entry 13 of 15

File: USPT

Jul 18, 2000

US-PAT-NO: 6090395

DOCUMENT-IDENTIFIER: US 6090395 A

**** See image for Certificate of Correction ****

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asmus; Robert A.	Hudson	WI		
Scholz; Matthew T.	Woodbury	MN		
Charpentier; Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/401; 424/405, 424/78.02, 424/78.03, 514/772.3

ABSTRACT:

A hydroalcoholic lotion is disclosed which comprises (a) a lower alcohol and water in a weight ratio of about 35:65 to 100:0, and (b) between at least 0.5% and 8% by weight thickener system comprised of at least one emulsifier present in at least 0.05% by weight wherein the composition in a polymer free state has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein the emulsifier is comprised

of at least one hydrophobic group and at least one hydrophilic group. The hydroalcoholic composition is useful as a hand preparation such as a lotion or as a presurgical scrub replacement.

86 Claims, 0 Drawing figures.
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KWIC	Draw D.
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☐ 14. Document ID: US 5951993 A

L1: Entry 14 of 15

File: USPT

Sep 14, 1999

US-PAT-NO: 5951993
DOCUMENT-IDENTIFIER: US 5951993 A

TITLE: Stable hydroalcoholic compositions

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholz; Matthew T.	Woodbury	MN		
Asmus; Robert A.	Hudson	WI		
Charpentier; Jill R.	Minnetonka	MN		

US-CL-CURRENT: 424/405; 424/667, 510/132, 510/157, 514/635, 514/944, 514/975

ABSTRACT:

Disclosed is a composition including a lower alcohol and water in a weight ratio of about 35:65 to 100:0, between at least 0.5% and 8.0% by weight thickener system comprised of at least two emulsifiers, each emulsifier present in at least 0.05% by weight wherein the composition free of auxiliary thickeners has a viscosity of at least 4,000 centipoise at 23 degrees C. and wherein each emulsifier is comprised of at least one hydrophobic group and at least one hydrophilic group. The composition is useful as a presurgical scrub replacement, a lotion or other hand preparation.

80 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Searches	Attachments	Claims	KWIC	Draw D.
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☐ 15. Document ID: WO 9962569 A1

L1: Entry 15 of 15

File: EPAB

Dec 9, 1999

PUB-NO: WO009962569A1
DOCUMENT-IDENTIFIER: WO 9962569 A1
TITLE: STERILIZATION INDICATOR WITH CHEMICALLY STABILIZED ENZYME

PUBN-DATE: December 9, 1999

INVENTOR-INFORMATION:

NAME

COUNTRY

FOLTZ, WILLIAM E

ASMUS, ROBERT A

INT-CL (IPC): A61 L 2/26; C12 Q 1/22

EUR-CL (EPC): A61L002/28; C12Q001/22

ABSTRACT:

CHG DATE=20000103 STATUS=O>A sterilization indicator for testing the effectiveness of a sterilization procedure comprises a source of an enzyme, a sterilant-resistant chemical associated with the enzyme, and a substrate that reacts with the enzyme to form a detectable enzyme-modified product that provides an indication of the failure of the sterilization procedure. The sterilant-resistant chemical may be a polyglycerol alkyl ester, polyglycerol alkyl ether, an ethoxylated polyhydric alcohol ester, or a polyhydric alcohol ether. The indicator may be used to test the effectiveness of a hydrogen peroxide plasma sterilization procedure and may be provided with a non-challenge test pack or a lumen-challenge test pack.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawings
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Term	Documents
POLYGLYCEROL	7784
POLYGLYCEROLS	1553
ALKYL	1006144
ALKYLS	21050
ETHOXYLATED	39511
ETHOXYLATEDS	0
POLYHYDRIC	66689
POLYHYDRICS	16
ALCOHOL	619997
ALCOHOLS	261642
STERIL\$	0
(STERIL\$ AND (POLYGLYCEROL ALKYL OR ETHOXYLATED POLYHYDRIC ALCOHOL)).PGPB,USPT,EPAB,JPAB,DWPI,TDBD.	15

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